

Application No. 10/537569
Reply to Office Action of April 18, 2006

Docket No.: 12810-00093-US

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REMARKS

Applicant respectfully requests reconsideration in view of the amendment and following remarks. The applicant has amended claims to overcome the 35 U.S.C. 112, second paragraph rejection. Support for newly added claims 16-19 can be found in the specification at page 10, lines 21-30 of the specification. Support for newly added claim 20 can be found in the specification at page 10, lines 30-33.

Claims 13-15 are rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential steps, such omission amounting to a gap between the steps. Claim 12 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 12 is rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential steps, such omission amounting to a gap between the steps. To the extent that the amendment does not overcome this rejection the applicant respectfully traverses this rejection.

The applicant appreciates that the Examiner has indicated that claims 1-6 and 10-11 are allowable.

The applicant discloses at page 10, lines 21-28,

In particular, the transition metal compounds according to the invention are suitable as catalysts for Heck reactions, Suzuki couplings, Stephens-Castro-Sonogashira reactions and Stille couplings and further coupling reactions which are described extensively in the relevant technical literature and in which transition metal complexes soluble in organic solvents, especially those of the transition metals Pd, Pt, Ni, Cu, are customarily used. They are notable for an outstandingly high catalytic activity and also high temperature stability. The latter enables their use at high reaction temperatures, which is advantageous especially in the conversion of relatively unreactive substrates. (emphasis added)

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Olefination, alkynylation, arylation and diaryl coupling reactions are well known to one of ordinary skill in the art. The required components are also well known to one of ordinary skill in the art. As stated above, the applicant has found that using the applicant's catalyst according to the invention has outstandingly high catalytic activity and also high temperature stability compared to that of the previously known catalyst. The high temperature stability enables their use at high reaction temperatures, which is advantageous especially in the conversion of relatively unreactive substrates (see page 10, lines 25-28). This is an improvement compared to the prior art.

In view of the above amendment, applicant believes the pending application is in condition for allowance. The applicant has found that this catalyst is an improvement compared to the prior catalyst with respect to high catalytic activity and also high temperature stability. For the above reasons, this rejection should be withdrawn.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 03-2775, under Order No. 12810-00093-US from which the undersigned is authorized to draw.

Respectfully submitted,

By 

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